

25X1

WORK RECORD

CONFIDENTIAL

CONTRACT NO. (RD-128, T.O. No. 3)

CONTRACTOR

25X1

WORK ORDER NO. 2 CHANGE ORDER NO. JOB TITLE Discone Antenna

Modification

ISSUE DATE 30 January 1958 CRASH PRIORITY NO.

PREMIUM PAY 25X1

TOTAL COST \$5589.96

REQUESTED COMPLETION DATE OR

CONTRACTORS ESTIMATED COMPLETION DATE 90 days after receipt of W.O.

WORK DESCRIPTION:

This W.O. provides for the modification and electrical measurement of a 50-400 mc. discone antenna furnished by the contracting organization. Instructions to the contractor appear on the Attachments.

The association of this work and equipment with this contract and/or the contracting organization is Classified SECRET.

EQUIPMENT SECURITY CLASSIFICATION UNCLASSIFIED

CONTRACTOR'S ACCEPTANCE:

CONTRACTING OFFICER'S APPROVAL

25X1

(Signature)

25X1

DATE COMPLETED

WORK ASSIGNED BY BY: PHONE VISIT ☒ WRITTEN TASK

REQUESTING DIVISION APPROVAL

ENGINEERING DIVISION APPROVAL

CONTACT FOR REQUESTING DIVISION

COGNIZANT COMPANY CONTACTS: TECHNICAL PHONE

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BLDG. & ROOM

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PHONE

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WORK DESCRIPTION CONTINUED

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1. Fabricate five top plates and cut the five modified discone antennas as shown on the attached drawing.
2. Reassemble one antenna and make the following far field test measurements:
 - a) E and H plane pattern measurements at 50, 75, 100, 150, 190, 250, 350, and 500 mc points.
 - b) Gain measurements relative to a dipole at the points shown in (a).
3. Disassemble the antenna measured and pack the five antennas in shipping boxes. Each antenna will require two plywood boxes not to exceed external dimensions of 18" x 24 $\frac{1}{2}$ " x 6". Include all hardware and a set of assembly and disassembly instructions with each antenna. Number the boxes in pairs, No. 21 through No. 25. Do not seal the box covers, use metal strapping or cord for shipping to the contracting organization.
4. Deliverable Items
 - a) Five GFE antennas cut and boxed.
 - b) One reproducible and three copies of Test Data.
 - c) One reproducible and five copies of Assembly and Disassembly Instructions (Five copies to be packed with antennas).

S-E-C-R-E-T

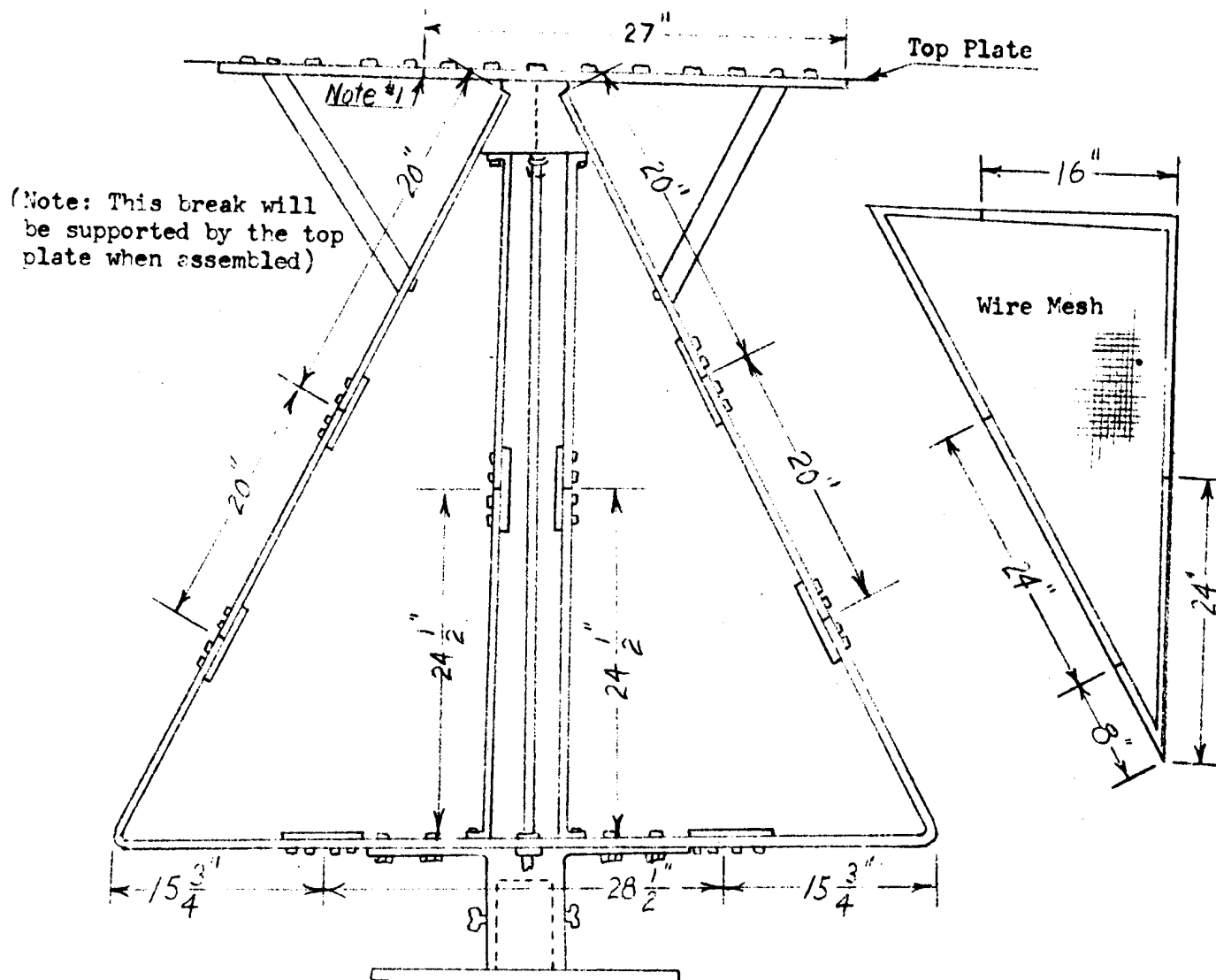
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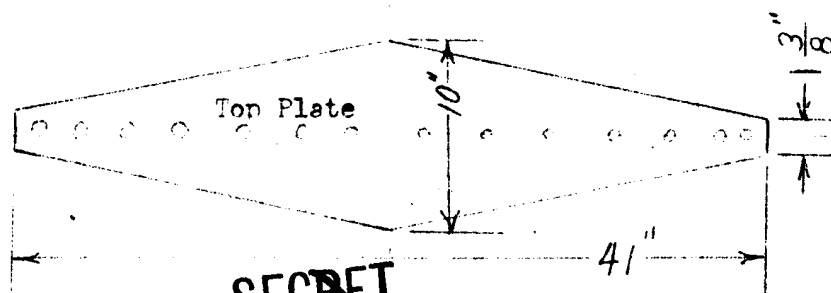
~~SECRET~~MODIFIED DISCONE ANTENNA
CUTTING INSTRUCTIONS

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1. Disassemble antenna and cut sections to dimensions shown below.
2. Cut supporting sections of wire mesh to permit bending of mesh for packing.
3. Fabricate straps for reassembly of the antenna.
4. Supply 1/4" NF round head machine screws and lock washers.



5. Fabricate .030" aluminum top plates, these plates will not be cut, they will be bent to fit into the shipping crate.

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